

Electronic Acknowledgement Receipt

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| EFS ID: | 3023553 |
| Application Number: | 10733226 |
| International Application Number: | |
| Confirmation Number: | 8010 |
| Title of Invention: | Microelectronic devices and methods for filling vias in microelectronic devices |
| First Named Inventor/Applicant Name: | William M. Hiatt |
| Customer Number: | 25096 |
| Filer: | Paul T Parker/Stephen Whelan |
| Filer Authorized By: | Paul T Parker |
| Attorney Docket Number: | 108298744US |
| Receipt Date: | 19-MAR-2008 |
| Filing Date: | 10-DEC-2003 |
| Time Stamp: | 15:42:17 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

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|--|---------------------------|
| Submitted with Payment | yes |
| Payment Type | Electronic Funds Transfer |
| Payment was successfully received in RAM | \$ 180 |
| RAM confirmation Number | 1111 |
| Deposit Account | |
| Authorized User | |

File Listing:

| Document Number | Document Description | File Name | File Size(Bytes) /Message Digest | Multi Part / .zip | Pages (if appl.) |
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| 1 | | IDS.pdf | 1220371 5b474f5d1707b32324ada72d3ac950b14d67b0c04 | yes | 14 |
| Multipart Description/PDF files in .zip description | | | | | |
| Document Description | | | Start | End | |
| Information Disclosure Statement Letter | | | 1 | 2 | |
| Information Disclosure Statement (IDS) Filed | | | 3 | 14 | |
| Warnings: | | | | | |
| Information: | | | | | |
| 2 | Foreign Reference | EP0127946A1.pdf | 474741 9498a827b6c47b76933d48629584738f78a0b62 | no | 13 |
| Warnings: | | | | | |
| Information: | | | | | |
| 3 | Foreign Reference | JP63052432.pdf | 1216464 92e9172e43e6c566cdf020f9e4e4d230d7e6d200e | no | 7 |
| Warnings: | | | | | |
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| 4 | Foreign Reference | JP2001077496.pdf | 492191 261cc3c03f914d6c385f2507393ce22f30c01a3 | no | 6 |
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| 5 | Foreign Reference | JP2001298147A.pdf | 321096 d138f967b93d4a95a95f6f5d40b300a529e505 | no | 6 |
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| 6 | Foreign Reference | KR20020022122A.pdf | 972667 55953654a8f95607aeb0cd2531b171d83bae7c45 | no | 23 |
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| 7 | Foreign Reference | KR20020061812A.pdf | 365870 d2be30089a56db3943c74e343430b3837ba58f01 | no | 8 |
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| 8 | Foreign Reference | WO2005022965A2.pdf | 2199496 26e952ff14168e0ff2263db3de1fc1d220b50332f | no | 39 |

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| 9 | Foreign Reference | JP2005093980A.pdf | 419274 07c819eb6e2d11e19407a134d3005e635651226b7 | no | 10 |
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| 10 | Foreign Reference | WO2005036940A1.pdf | 2063101 3465b0f55a916595d1793d19b6855c49bc9912f | no | 44 |
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| 11 | Foreign Reference | JP2005310817A.pdf | 1005557 3a287e6ee50464476d76bc9dc9926a2d9b-bc39c | no | 19 |
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| 12 | Foreign Reference | WO2006053036A2.pdf | 1986942 bbf0e4401d9e680f85c2987773db58d10c1b7026 | no | 39 |
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| 13 | Foreign Reference | WO2006124597A2.pdf | 2149676 053bc29ffac160c3ba17151d1423b121d79b33d | no | 42 |
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| 14 | Foreign Reference | WO2007025812A1.pdf | 976621 425416d5d3f26640e81018822be132077d3321 | no | 28 |
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| 15 | Foreign Reference | WO2007043718.pdf | 852858 b102831d7a06f435d58be7a3cc5e8b747963c72 | no | 22 |
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| 16 | NPL Documents | AachbounCryogenicEtching.pdf | 433258 9daab7db4299fbcafa81a7d70c4662664d76c24b | no | 5 |
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| 17 | NPL Documents | AachbounAnisotropicEtching.pdf | 290062 a02790951754cfe12450f93957da2696c6e7c4 | no | 4 |

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| 18 | NPL Documents | Arunasalam.pdf | 1252890 b1c0398680cc163c3837380cc5f072a805874ed3e | no | 7 |
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| 19 | NPL Documents | Bernstein.pdf | 1297189 314444ec9785e88aef15176788654abc847900c | no | 6 |
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| 20 | NPL Documents | Cheung.pdf | 1227631 17b53614ff12611b01da25ef65cd8d87b2123699 | no | 10 |
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| 21 | NPL Documents | Chou.pdf | 446496 0aef894547057869d7b83300508665045e46 | no | 11 |
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| 22 | NPL Documents | Hirafune.pdf | 243187 01d8b33da971a2b3227935b6d24b2d52526a446 | no | 4 |
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| 23 | NPL Documents | KyoceraMemoryPackage.pdf | 42222 8a969f22226cb2c427b32666141a3dd1a5d997dc | no | 1 |
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| 24 | NPL Documents | Lee_R.pdf | 222991 cd0c707c9020e4278b9b32483e8836211bf67251 | no | 4 |
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| 25 | NPL Documents | Lee_TK.pdf | 1538019 d8be108b3cd3bda7180aa8ba45c4d5e63316629 | no | 9 |
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| 26 | NPL Documents | Rasmussen.pdf | 603324 bf6f0dda7cd3d18f8a4c2c2c3ad2f0a905a9fc | no | 4 |

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| 27 | NPL Documents | Savastiouk.pdf | 32736 3d6e60f72ba210be64221b07be4c3b23c6d93a9 | no | 1 |
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| 28 | NPL Documents | Schaper.pdf | 886292 8c9823c08b77cd384e91771839963d99700996c1a | no | 5 |
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| 29 | NPL Documents | Takahashi_K.pdf | 659798 28067206c5e03910a971b72a8c4d79f18e0f14 | no | 4 |
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| 30 | NPL Documents | Takizawa.pdf | 576078 d1620b2daa7c0583242958d3236a95404064c895 | no | 4 |
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| 31 | NPL Documents | Tezcan.pdf | 1049817 82d7346b79a3d1d0eab9fa5ca558b503da4d23 | no | 5 |
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| 32 | NPL Documents | Trigas.pdf | 704121 da5c1933f11d9f3ba5a2ab7e1129c0b9fcd97 | no | 4 |
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| 33 | NPL Documents | xise200.pdf | 511304 42647deec05a8445608c4eaa50a894bea3dc03d | no | 1 |
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| 34 | NPL Documents | Yamamoto.pdf | 576784 b871b96d1c8cc4c29cc7918e4cc09819ca07b1c | no | 4 |
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| 35 | Fee Worksheet (PTO-06) | fee-info.pdf | 8195 e61824d7db2c42b275cd553a73618cccd2850 | no | 2 |

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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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